ELSEVIER

European Journal of Operational Research 103 (1997) 646–651

EUROPEAN JOURNAL OF OPERATIONAL RESEARCH

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Park, K.S., S.H. Kim and W.C. Yoon, Establishing strict dominance between alternatives with special type of incomplete information 96 (1996) 398
Parker, P.M. and M. Sarvary, Formulating dynamic strategies using decision calculus 98 (1997) 542
Parlar, M., Continuous-review inventory problem with random supply interruptions 99 (1997) 366
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Pastor, J.M., F. Pérez and J. Quesada, Efficiency analysis in banking firms: An international comparison 98 (1997) 395
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Ramanathan, R., Stochastic decision making using multiplicative AHP 97 (1997) 543
Ramasesh, R.V. and M.D. Jayakumar, Inclusion of flexibility benefits in discounted cash flow analyses for investment evaluation: A simulation/optimization model 102 (1997) 124
Redmond, D.F., A.H. Christer, S.R. Rigden, E. Burley, A. Tajelli and A. Abu-Tair, O.R. modelling of the deterioration and maintenance of concrete structures 99 (1997) 619
Rentz, O., see Penkuhn, T. 97 (1997) 327
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Rolland, E., D.A. Schilling and J.R. Current, An efficient tabu search procedure for the p-Median Problem 96 (1996) 329
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Rönnqvist, M., see Wark, P. 102 (1997) 21
Roodhooft, F. and J. Konings, Vendor selection and evaluation An activity based costing approach 96 (1996) 97

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Roy, B. and D. Vanderpooten, An overview on "The European school of MCDA: Emergence, basic features and current works" 99 (1997) 26
Roy, T.K. and M. Maiti, A fuzzy EOQ model with demand-dependent unit cost under limited storage capacity 99 (1997) 425
Rubinstein, R.Y., Optimization of computer simulation models with rare events 99 (1997) 89
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Salhi, S. and M. Sari, A multi-level composite heuristic for the multi-depot vehicle fleet mix problem 103 (1997) 95
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